## First Aid for the Basic Sciences: Organ Systems, 3rd edition Official Errata: Corrections and Clarifications January 15, 2018

Despite our best efforts, errors do occur during the revision process. This list primarily addresses direct content errors that may create confusion. We also have listed selected clarifications. Please be aware, however, that this list does not represent the entire scope of additions, improvements, and clarifications made in the 3rd edition.

We check every submission against your reference(s), authoritative references, and expert faculty to maximize clarity and accuracy. Please note that our goal is to provide a high-yield framework for optimal exam preparation and not a comprehensive textbook. If you were the first individual to submit a referenced correction or clarification to us at www.firstaidteam.com that appears in the errata or in the next edition of the book, you will receive a gift certificate in appreciation. Good luck with your studies!
-The First Aid/USMLE-Rx Team

| Page | Section | Revision |
| :--- | :--- | :--- |
| 4 | Clinical Correlation | Replace "arteriosis" with "arteriosus." |
| 10 | Figure 1-10B | Move the marker for tricuspid down so that it is appears <br> within the left, fifth intercostal space. |
| 12 | Answer Flashcard | Replace "Located in the posterior of the heart at the <br> junction between the RA and RV" with "Located in the <br> posterior of the heart at the junction between the LA and <br> LV...." |
| 18 | Table 1-5 | In the Slow Pacemaker Action Potential column, replace "1. <br> Increased Ik+" with "3. Increased Ik.." |
| 22 | Figure 1-20 | Narrow the length of the bracket indicating sarcomere so <br> that it encompasses Z line to Z line. |
| 37 | Cardiac and Vascular <br> Function Curves | In the last sentence of the paragraph, delete the second <br> "because." |
| 31 | Jugular venous pulses | Replace both bullets with "Heart valves open when pressure <br> upstream < pressure downstream and close when pressure <br> downstream < pressure upstream." |
| 71 | Replace "mirrors left atrial pressure (LAP) since the LA is <br> continuous with jugular vein via the SVC" with "mirrors right <br> atrial pressure (RAP) since the RA is continuous with jugular <br> vein via the SVC...." |  |
| 38 | Figure 1-35 | In the bottom portion of the figure, replace "Angiotensin $\rightarrow$ <br> Angiotensin I" with "Angiotensinogen $\rightarrow$ Angiotensin I." |
| 82 | Flash Back | In the fifth bullet of the Presentation section, replace "heard <br> best at the second right intercostal space" with "heard best <br> at the left second intercostal space..." |
|  | Replace "is often seen in Churg-Strauss syndrome" with "is <br> often seen in eosinophilic granulomatosis with <br> polyangiitis...." |  |


| 84 | Churg-Strauss Syndrome | Replace "Churg-Strauss Syndrome" with "Eosinophilic granulomatosis with polyangiitis (Churg-Strauss)". <br> In the first paragraph, replace "Churg-Strauss syndrome" with "Eosinophilic granulomatosis with polyangiitis...." |
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| 91 | Figure 1-77 | Below Sympatholytics, replace " $\alpha$-agonists" with " $\alpha_{2}$ agonists." <br> Below Vasodilators, replace " $\beta_{2}$-blockers" with " $\beta_{2}$-agonists." |
| 100 | Table 1-39 | In the Ace Inhibitors column of the AT 1 row, replace " $\downarrow$ " with " $\uparrow$ ". <br> In the Aliskiren/Direct Renin Inhibitor column of the Renin row, replace " $\downarrow$ " with " $\uparrow$." |
| 101 | $\beta$-Blockers <br> (eg, Metoprolol, Atenolol, Propranolol) | In the second sentence of the Side Effects section, replace "selective for $\beta_{2}$-receptors" with "selective for $\beta_{1}$ receptors...." |
| 130 | Key Fact (second on page) | In the second paragraph, replace "in persons who fail to manifest the Wolff-Chaikoff effect" with "in persons who were experiencing deficiency." |
| 148 | Figure 2-26 | Replace "Indoderm" with "Endoderm" |
| 149 | Figure 2-27 | Between 17-hydroxypregnenolone $\rightarrow$ <br> Dehydroepiandrosterone (DHEA), and between 17- <br> hydroxyprogesterone $\rightarrow$ Androstenedione, replace " $17 \alpha-$ hydroxylase" with "17,20-lyase." |
| 151 | Actions of Cortisol | In the second sentence of the first bullet below Antiinflammatory effects, replace "arachadonic acid" with "arachidonic acid." |
| 154 | Diagnosis | In the first sentence, replace " 24 -urine" with " 24 -hour urine." |
| 157 | Table 2-25 | In the Mineralocorticoids column of the 21-hydroxylase row, replace " $\uparrow$ " with " $\downarrow$." |
| 157 | Key Fact | In the second bullet, replace "21-hydroxylase deficiency" with " $21 \alpha$-hydroxylase deficiency." |
| 163 | Presentation | In the second to last indented bullet, replace "Diabetic peripheral neuropathy (loss of pain and vibration senses with a characteristic "stocking" distribution in the legs; increased risk of infection/injury leading to amputation); related to" with "Diabetic peripheral neuropathy (see above); related to...." |
| 168 | Answer Flashcard | Replace "Sulfonylureas increase insulin release from pancreatic $\beta$ cells through the activation of ATP-sensitive K+ channels." with "Sulfonylureas increase insulin release from pancreatic $\beta$ cells through the inhibition of ATP-sensitive K+ channels...." |
| 169 | Dipeptidyl Peptidase 4 Inhibitors | In the heading, replace "DDP-4" with "DPP-4." |
| 190 | Intrinsic Innervation | In the second paragraph, replace "subOmucosal" with "submucosal." |


| 192 | Flash Forward | Replace "VNH can cause obesity" with "Lesions of the VNH <br> can cause obesity"" |
| :--- | :--- | :--- |
| 204 | Table 3-10 | In the Source column of the Somatostatin row, replace "D <br> cells (duodenum)" with "D cells (stomach antrum)...." |
| 220 | Diagnosis | In the first indented bullet that represents the first stage, <br> replace "Radiolabeled vitamin B12 is injected" with <br> "Unlabeled vitamin B 12 |
| 221 | Duodenjected...." |  |


| 305 | Diagnosis (top of page) | In the first sentence, delete the second "of coins." |
| :--- | :--- | :--- |
| 312 | Figure 4-44 | In the left-hand box, replace "MTX (inhibits thymidylate <br> synthase) 5-FU (inhibits DHF reductase): $\downarrow$ thymidine <br> synthesis" with "MTX (inhibits DHF reductase), 5-FU <br> (inhibits thymidylate synthase): $\downarrow$ thymidine synthesis." |
| 324 | Figure 5-1 | In the illustration, replace the arrow that points from <br> calcitonin to osteoclasts with a red arrow that symbolizes <br> that calcitonin is an inhibitor of osteoclasts. |
| 325 | Parathyroid Hormone | In the second sentence, replace "and indirectly activating <br> osteoblasts via various cytokines" with "and indirectly <br> activating osteoclasts via various cytokines." |
| 325 | Second Key Fact | Replace "Larson syndrome" with "Laron syndrome." |
| 327 | Table 5-1 | In the key, replace "AV, atrioventricular" with "AV, <br> arteriovenous." |
| 328 | Key Fact | In the first sentence, delete the extra "a." |
| 336 | Figure 5-14 | Replace "Maxillary n. (V1)" with "Maxillary n. (V2)," and <br> replace "Mandibular n. (V2)" with "Mandibular n. (V3)." |
| 348 | Larynx | In the first sentence of the second paragraph, replace <br> "tylohyoid" with "stylohyoid." |
| 353 | Nerve Damage Affecting <br> the Muscles of the <br> Lower Limb | In the second bullet, replace "extension of the thigh" with <br> "extension of the knee...." |
| 353 | Common Pathology <br> of the Knee | In the second sentence of the Baker cyst bullet, replace "it is <br> important to distinguish between a cyst and a ruptured deep <br> vein thrombosis (DVT)" with "it is important to distinguish <br> between a ruptured cyst and deep vein thrombosis (DVT)." |
| 360 | Wound Healing | In the first bullet, replace "via fibroblast deposition of type II <br> collagen" with "via fibroblast deposition of type III <br> collagen...." <br> In the second bullet, replace "Fibrous scar formation as type |
| 362 | Presentation | II collagen" with "Fibrous scar formation as type III <br> collagen...." |
| 385 | Scleroderma/ <br> Systemic Sclerosis | In the last sentence, add "should be ruled out" to the end of <br> the sentence so that it reads, "If neurologic symptoms such <br> as numbness, weakness, or radiculopathy accompany back <br> pain, an emergent spinal cord and cauda equina <br> compression should be ruled out." |
| Skin Syndrome | Diagnosis | In the second sentence, replace "pace" with "face." |
| Sthe |  |  |
| upper layers of the epidermis...." |  |  |


| 404 | Selective Estrogen Receptor Modulators (SERMs) | In the second sentence of the Mechanism paragraph, replace "recruit osteoclasts" with "inhibit osteoclasts." |
| :---: | :---: | :---: |
| 417 | Figure 6-7 | Replace "Comparison of Arnold-Chiari syndrome types I and II and Dandy-Walker syndrome. [A] Arnold-Chiari syndrome is much more common..." with "Comparison of Chiari malformation type I, Arnold-Chiara type II, and DandyWalker syndrome. [A] Representation of features of both malformations. Arnold-Chiari syndrome is much more common...." |
| 451 | First-order neurons | In the third bullet, replace "branch off the main axon and synapse on la fibers..." with "branch off the main axon and synapse on alpha fibers or inhibitory interneurons...." |
| 482 | Table 6-25 | In the third entry of the Presentation column on the Alzheimer disease row, replace "mutations in presenilin 1 and 2 on chromosomes 1 and 14, respectively" with "mutations in presenilin 1 and 2 on chromosomes 14 and 1, respectively...." |
| 507 | Central Nervous System Neurotransmitters | In the fourth sentence of the first paragraph, replace "patents" with "patients." |
| 508 | Figure 6-68 | Replace "Tyrosine hydrolase" with "Tyrosine hydroxylase." |
| 581 | Child Abuse | In the first sentence of the first paragraph, replace "(ie, Child Protective Services [CPS])" with "(ie, Child Protective Services [CPS] or equivalent)...." |
| 600 | Table 8-6 | In the key, replace "TBW, total body weight" with "TBW, total body water." |
| 617 | Buffer Systems | In the equation at the top of the page, add " $=$ " so that it reads, " $\mathrm{pH}=-\log \left[\mathrm{H}^{+}\right]=\mathrm{pK}_{\mathrm{a}}+\log . .$. " |
| 622 | Acid-Base Problem Solving | In the fifth bullet, replace "if over 20, then" with "if over 12, then...." |
| 641 | Figure 8-38 | In the Prerenal Labs section (bottom left), replace "Urine sodium $<10 \mathrm{mEq} / \mathrm{L}$ " with "Urine sodium $<20 \mathrm{mEq} / \mathrm{L}$." In the Renal Labs section (bottom center), replace "Urine sodium > $20 \mathrm{mEq} / \mathrm{L}$ " with "Urine sodium $>40 \mathrm{mEq} / \mathrm{L}$." |
| 651 | Figure 8-43 | In the green right-hand box, replace "Hypovolemic" with "Hypervolemic." |
| 666 | Pseudohermaphroditism | In the first bulleted point, replace "symdrome" with "syndrome" |
| 678 | Figure 9-21 | Replace the label "Ductus deferers" with "Ductus deferens" |
| 720 | Choriocarcinoma | Delete the third bullet and replace with "If pure choriocarcinoma, has worse prognosis than gestational choriocarcinoma." |
| 778 | Shunt | In the last sentence, replace "Since the $\mathrm{PaO}_{2}$ is unaffected" with "Since the $\mathrm{PAO}_{2}$ is unaffected...." |

